



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 6142**
Mitsuaki OSHIMA et al. : Docket No. 2000_1388
Serial No. 09/677,421 : Group Art Unit 2634
Filed October 5, 2000 : Examiner Dac V. Ha
COMMUNICATION SYSTEM : **Mail Stop: AMENDMENT**

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
TO ACCEPT DEPOSITS OF PATENT
FILES FOR THE U.S. TO DEPOSIT
ACCOUNT NO. 20-0075

Sir:

In response to the Office Action of August 10, 2005, the period for response to which having been extended by three months to February 10, 2006, please amend the above-identified U.S. patent application as follows:

IN THE CLAIMS:

Please cancel claims 24-35, and add new claims 36-47 as follows.

36. A signal transmission apparatus for transmitting a first data stream and a second data stream, comprising:

- a modulator operable to modulate the first data stream according to an m-level PSK modulation or an m-level QAM modulation, and modulate the second data stream according to an n-level PSK modulation or an n-level QAM modulation to produce modulated signals; and

- a transmitter operable to transmit the modulated signals,

wherein the first data stream includes information for demodulation representing the value of n of the second data stream.